

Table P-13: 2000 Key Source Tier 1 Analysis - Level Assessment

IPCC Source Categories	Direct Greenhouse Gas	Base Year			Cumulative Assessment	Total
		Estimate (Tg CO2 Eq.)	Current Year Level	Estimate (Tg CO2 Eq.)		
CO ₂ Emissions from Stationary Combustion - Coal	CO ₂	1692.60	2,030.09	0.29	0.29	
Mobile Combustion: Road & Other	CO ₂	1235.49	1,503.16	0.21	0.50	
CO ₂ Emissions from Stationary Combustion - Gas	CO ₂	952.76	1,162.91	0.17	0.67	
CO ₂ Emissions from Stationary Combustion - Oil	CO ₂	662.46	640.72	0.09	0.76	
Direct N ₂ O Emissions from Agricultural Soils	N ₂ O	193.49	217.75	0.03	0.79	
CH ₄ Emissions from Solid Waste Disposal Sites	CH ₄	213.41	203.48	0.03	0.82	
Mobile Combustion: Aviation	CO ₂	176.88	196.45	0.03	0.85	
Fugitive Emissions from Oil & Gas Operations	CH ₄	147.64	138.22	0.02	0.87	
CH ₄ Emissions from Enteric Fermentation in Domestic Livestock	CH ₄	127.88	123.86	0.02	0.89	
CO ₂ Emissions from Other Industrial Processes	CO ₂	123.65	107.56	0.02	0.90	
Mobile Combustion: Marine	CO ₂	59.43	89.91	0.01	0.92	
Indirect N ₂ O Emissions from Nitrogen Used in Agriculture	N ₂ O	73.60	79.81	0.01	0.93	
Fugitive Emissions from Coal Mining and Handling	CH ₄	87.12	60.97	0.01	0.94	
Emissions from Substitutes for Ozone Depleting Substances	Several	0.94	57.78	0.01	0.94	
Mobile Combustion: Road & Other	N ₂ O	48.86	55.74	0.01	0.95	
CO ₂ Emissions from Cement Production	CO ₂	33.28	41.07	0.01	0.96	
CH ₄ Emissions from Manure Management	CH ₄	29.19	37.46	0.01	0.96	
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	29.79	<0.01	0.97	
CH ₄ Emissions from Wastewater Handling	CH ₄	24.25	28.70	<0.01	0.97	
Indirect CO ₂ Emissions from CH ₄ Oxidation	CO ₂	30.90	26.30	<0.01	0.98	
CO ₂ Emissions from Waste Incineration	CO ₂	14.09	22.47	<0.01	0.98	
N ₂ O Emissions from Nitric Acid Production	N ₂ O	17.85	19.79	<0.01	0.98	
Non-CO ₂ Emissions from Stationary Combustion	N ₂ O	12.82	14.93	<0.01	0.98	
N ₂ O Emissions from Manure Management	N ₂ O	16.03	17.52	<0.01	0.99	
SF ₆ Emissions from Electrical Equipment	SF ₆	31.23	14.45	<0.01	0.99	
CO ₂ Emissions from Lime Production	CO ₂	11.24	13.32	<0.01	0.99	
N ₂ O Emissions from Wastewater Handling	N ₂ O	7.04	8.46	<0.01	0.99	
PFC Emissions from Aluminum Production	PFCs	18.11	7.95	<0.01	0.99	
Non-CO ₂ Emissions from Stationary Combustion	CH ₄	7.90	7.50	<0.01	0.99	
CH ₄ Emissions from Rice Production	CH ₄	7.12	7.50	<0.01	0.99	
N ₂ O Emissions from Adipic Acid Production	N ₂ O	14.89	8.11	<0.01	1.00	
PFC, HFC, and SF ₆ Emissions from Semiconductor Manufacturing	SF ₆	2.86	7.37	<0.01	1.00	
Mobile Combustion: Road & Other	CH ₄	4.67	4.09	<0.01	1.00	
SF ₆ Emissions from Magnesium Production	SF ₆	5.50	4.00	<0.01	1.00	
CO ₂ Emissions from Natural Gas Flaring	CO ₂	5.51	6.06	<0.01	1.00	
Mobile Combustion: Aviation	N ₂ O	1.71	1.92	<0.01	1.00	
CH ₄ Emissions from Other Industrial Processes	CH ₄	1.19	1.67	<0.01	1.00	
CH ₄ Emissions from Agricultural Residue Burning	CH ₄	0.68	0.79	<0.01	1.00	
Mobile Combustion: Marine	N ₂ O	0.36	0.63	<0.01	1.00	
N ₂ O Emissions from Agricultural Residue Burning	N ₂ O	0.37	0.46	<0.01	1.00	
N ₂ O Emissions from Waste Incineration	N ₂ O	0.29	0.23	<0.01	1.00	
Mobile Combustion: Aviation	CH ₄	0.16	0.16	<0.01	1.00	
Mobile Combustion: Marine	CH ₄	0.07	0.12	<0.01	1.00	
CO ₂ Emissions from Stationary Combustion - Geothermal Energy	CO ₂	0.22	0.02	<0.01	1.00	
TOTAL		6,130.72	7,001.22	1.00		

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.